

BASIN: a hydrocarbon exploration database and model for data distribution

P.N. Moir and P.B. Lake

Geological Survey of Canada (Atlantic), P.O. Box 1006, Dartmouth, Nova Scotia B2Y 4A2, Canada

Creation and maintenance of digital databases is a valuable product of the Geological Survey of Canada's Atlantic Division petroleum geoscience research program. Historically, access to such databases has been cumbersome, often requiring the help of skilled data extraction experts, who access data from several dispersed and unrelated database architectures. The GSC's own need for simplified access and better archiving of the data, coupled to the dramatic increase in demand for external access by clients prompted change.

The unique solution was to use the Internet and World Wide Web in conjunction with a relational database system to create easy to use graphical user interfaces that extract and display data quickly and effectively. This poster highlights the development of the BASIN database and its Web interface as an important science knowledge archive centre and distribution media. It presents examples of completed database interfaces and presents a successful model for cost effective data distribution to clients.